WTC1-709-P

Cheri Sawyer

From: Bhol, Saroj [sbhol@panynj.gov]
Sent: Friday, January 23, 2004 1:59 PM
To: 'Shyam Sunder'
Cc: 'rgann@nist.gov'; 'cauffman@nist.gov'; Begley, James; Fadavi, Ali; Lin, C. John; Lombardi, Frank; 'cheri.sawyer@nist.gov'
Subject: RE: glass

Shyam,

PA does not have the specification for the glass for the towers. Here's the information I have gathered from people who were familiar with the construction:

- PPG did the glass in the original construction. It was the same thickness in the tower windows except for the lobbies. Schuldiner did all the glass work in WTC 1 & 2 after 93 bombing.

Window frame assembly details would have been typically shown in shop drawings. Since WTC 7 was a tenant construction, shop drawings were not submitted to PA. Silverstein may be able to assist you on window frame assembly and glass specification for WTC 7

Thanks

Saroj

-----Original Message-----
From: Shyam Sunder [mailto:sunder@nist.gov]
Sent: Thursday, January 22, 2004 11:44 AM
To: Bhol, Saroj
Cc: rgann@nist.gov; cauffman@nist.gov; cheri.sawyer@nist.gov; john.eichner@nist.gov
Subject: Fwd: glass

Saroj,

Could you please assist with this inquiry? Thanks.

Shyam

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X-Sieve: CMU Sieve 2.2
X-Sender: rggann@email.nist.gov
X-Mailer: QUALCOMM Windows Eudora Version 5.0
Date: Thu, 22 Jan 2004 09:37:02 -0500
To: sunder@nist.gov
From: "Richard G. Gann" <rggann@nist.gov>
Subject: glass
Cc: wpitts@nist.gov, henelson@nist.gov

Shyam,

The window glass, its framing, and its breakage are appearing more and more important.

- In the "worst case" fire, the limited air availability leads to a relatively small fire unless windows break.
- We're using the breakage of windows in the photos as a telltale for the intensity of the fires.

We have a drawing of the window frame assembly for the towers. We need a similar drawing for WTC 7. We have not yet been able to locate any description, of preferably specification, of the glass for any of the three buildings. [It's not clear whether the glass might have changed as a function of height of the window.]

Please e-mail the PA or Silverstein asking them to supply the information. Documents are preferable. If they don't exist any more, then a detailed verbal description will have to do.

Thanks,

Dick

Richard G. Gann, Ph.D.
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